

### **Abstract of the Disclosure**

A mixing and pouring apparatus for computer controlled processing of mixing and pouring operations includes a rotatable arm capable of holding vessels therein, the arm rotatable at programmable speeds and time lengths to perform automated moving and pouring processes. The present invention further provides a cap and vessel positioning system that securely locks a vessel in place and realigns the cap in essentially the identical position in relation to the vessel every time the vessel is capped. In one embodiment, both the cap and vessel have flanges that are aligned when the cap is properly secured to the vessel.